

Rose-Hulman Institute of Technology

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Grad school seminar is new placement aid

by Gordon Bechtel
Staff Reporter

A graduate school seminar is upcoming at Rose on the 29th of September. Schools such as Michigan, Illinois, Purdue, Texas Tech, Rensselaer, and Notre Dame will all be sending representatives to the campus to participate in the seminar. Ohio State, Carnegie-Mellon, and Case-Western may also be there to add to the discussion concerning a Rose-Hulman student's future with a graduate school.

You may wonder why on earth a Rose grad would want to go on to graduate school? The answer is simple, the need for engineering Ph.D.'s has never been greater — industry needs and wants people with a

doctorate in engineering.

Concern about this lack has been developing for quite a while, both in industry and in academia. Within industry there exists a large demand for the engineer with a master's or doctorate degree — they are more than interested in the well-trained engineer. Due to this, many dollars are being set aside to help increase awareness of this deficiency.

Industry also realizes that students graduating with a B.S. have opportunities at "mucho dinero" with many companies and thus don't have sufficient motivation to continue on to graduate school. Now, however, with the shortage of more educated engineers, companies are more than willing to supply

this motivation.

On the academic side of matters, this demand from industry for engineers with higher degrees depletes colleges of good staff members. Therefore, colleges and universities also are quite interested in people earning engineering Ph.D.'s.

With this in mind, Dr. Hulbert and Placement Director Bill Sisson are especially interested in spreading information about graduate schools to the student body. This has resulted in what Bill Sisson terms "Rose-Hulman's small part in helping to solve this problem."

This seminar, which is open to seniors and juniors, will be broken into two main parts. First, on the morning of the 29th

from 9:30 to 11:00 in B119, a general discussion will be held with all the representatives from the various schools giving information on applications, programs, and anything which pertains to graduate students. Second, that afternoon, individual interviews, which can be signed up for in the Templeton Building, are to be held with each rep from the various colleges. This will give the students a chance for one-to-one discussion with the representative of their choice.

So, to resolve those little questions that are lurking in the back of your mind regarding graduate studies, come on out to B119 for the morning session of the 29th of September and obtain some good information.

the Rose Thorn

Vol. 17, No. 3

Rose-Hulman Institute of Technology

September 25, 1981

Now it's WMHD-FM

by Mike Bigna
Staff Reporter

Once again the Rose-Hulman Broadcasting Club has encountered more problems in becoming a real broadcasting entity. Most importantly, the first day on the air has been postponed again — tentatively until October 17 (Homecoming) — mostly due to lack of student participation in the project. Secondly, its call letters have been changed again from WRTR and to WRRS, to finally WMHD-FM, broadcasting 150 watts at 90.5 MHz.

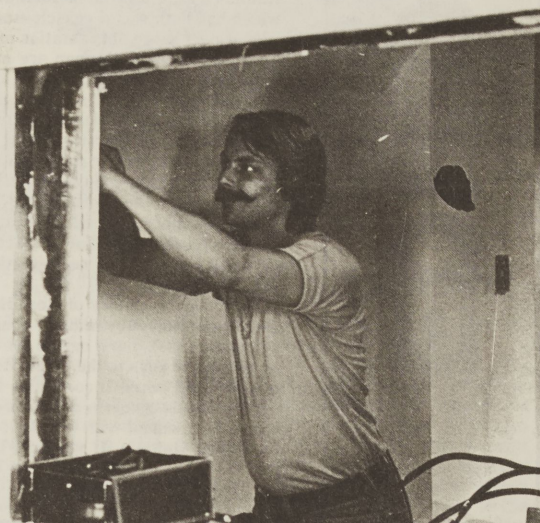
There is still much to do in the way of construction and wiring, and otherwise finishing the studio. The state-of-the-art radio transmitting equipment is now being mounted, and, like the turntables and accompanying electronics, it cannot be placed in the studio until the studio is

finished and cleaned up. Troy Matz, the club's president and general manager of the station, was very pleased with the turnout for the club's first meeting and hopes that this is an indication of more interest and therefore more help in completing the station.

Matz stated that if the station were not completed by this December, its FCC license would be revoked. This would be a great waste of the nearly \$13,500 worth of transmitting equipment and about \$7,000 worth of construction already put into the studio. Matz emphasized the fact that those students who put the most work into the studio's construction and set-up would be given priorities for shows (disk jockey positions). There are also positions available for sports/news/public service announcers and for

programming show content.

Mike Henson, the station's chief engineer, was as well impressed with the turnout at the first meeting and was especially happy with the number of students who signed up and showed up at the first work session (the studio itself is located in the basement of Baur-Sames-Bogart Hall). Henson believes that if attendance at the meetings and work sessions continue at this level, the Homecoming deadline could be met. It is also urged that other students interested in any aspect of the station get in touch with either Matz or Henson.



Mike Henson, WMHD's chief engineer, works in the studio of the Rose-Hulman radio-station-to-be. The station is nearing completion and should be done by the October 17 deadline. Henson reported that there still is a lot of work to be done and said that anyone interested should feel free to get involved. This is a good chance for incoming freshmen to get in on the ground floor of a major campus project. Shuman Photo.

Planning position goes to Roper

Dr. A. T. "Tom" Roper, a member of the faculty at Rose-Hulman Institute of Technology since 1967, has been appointed to the executive staff as vice president for planning and data systems, according to an announcement by Samuel F. Hulbert, president.

In his new position, Dr. Roper will direct Rose-Hulman's long range planning and assume the responsibility for the institute's data systems. Dr. Roper will continue as director of the college's unique Center for Technology and Policy Studies (CTAPS) and professor of mechanical engineering.

"Dr. Roper has the ability of getting to the heart of the problem in the area of long range planning," Dr. Hulbert commented. "He has been a major contributor on a number of Rose-Hulman's recent studies, including the institutional self-study called 'To the Best of a Different Drummer,' an in-depth look into cooperative education and possible new programs, and an investigation of the institute's utilities and power plant."

"Of greater importance from a professional standpoint has been his leadership in the field of technology assessment and policy studies and invitations to give papers and serve on expert panels both here and abroad," Dr. Hulbert continued.

A native of Richmond, Ind., Roper earned a B.S. on aeronautical engineering at

Purdue University in 1958. He worked as an aerodynamicist for the Boeing Company from 1958 until 1963 when he moved to California State Polytechnic Institute (Pomona) as an assistant professor.

Roper continued his education at Colorado State University, earning the M.S. and Ph.D. degrees in fluid mechanics in 1965 and 1967 respectively.

He has taught both mathematics and mechanical engineering and served as chairman of the mechanical engineering department from 1970 to 1973 when he was named associate dean of the faculty and also devoted a larger portion of his time to the establishment of CTAPS, an interdisciplinary team which has done a number of studies and technical assessments for industry and agencies such as the Department of Energy, Indiana Air Pollution Control Division, Energy Group of the Indiana Department of Commerce, Economic Development Administration (Indiana Department of Commerce). Other projects have been funded by Lilly Endowment, Inc., and the Wabash Valley Environmental Association.

In addition, the CTAPS staff has done extensive studies on various operations of Rose-Hulman, including a self-study of cooperative education at the Institute.



Mike Henson works with a new freshmen on the control board in the studio. The station, WMHD, has a strong staff and should be a major addition to the campus when it is up and running. The club encourages anyone interested in hands-on training in electronics or studio equipment to get involved in the set up. The experience is, to say the least, the chance of a lifetime. Shuman photo.

Placement rush is on

by Gordon Bechtel
Staff Reporter

Once again queues for sign-ups appear at the front doors of Templeton. Job interviews, plant trips, and the all-important final offers are again upon Rose-Hulman. Bill Sisson, director of placements, was asked to supply some hints for those taking interviews.

The demand for good engineers is still on the rise. Companies, whether they are booming or not, need good personnel and they're willing to pay for them. What the placement office terms "pre-screening" — the sending of company representatives to the

campus prior to sign-ups for that particular company in order to drum up support for their company — has increased dramatically from previous years. As Bill Sisson puts it, companies are "pounding the streets" for good people.

However, partly because of the slow times, companies are very selective concerning whom they offer jobs. In other words, they can't afford to hire an employee who isn't going to do the job for them. Therefore, students need to be alert and persuasive in selling themselves to interviewers.

Sisson explains that students

should be prepared to talk about what specific occupations interest them in the future. If students are "wishy-washy" on this subject, the interviewer will not be inclined to offer them a job.

The attitude of "I thought a job came automatically" is not true. Jobs aren't guaranteed and a student must put forth a strong effort towards obtaining that all important job. So, in summary, walk into that interview room knowledgeable and prepared, ready to earn an offer, rather than nonchalantly strolling in, expecting them to simply make you an offer.

EDITORIAL

Rose's new commitment

John McHugh
Editor

Up to now Rose-Hulman has been an entity unto itself. We have lived day to day with very little contact with the outside community. Aside from the occasional press conference, the exceptional student or faculty member who got involved in Terre Haute, or the somewhat unexceptional student or faculty member who brought Terre Haute's finest to us, Rose-Hulman has remained aloof from the surrounding area. This will all change now.

Sometime in the near future, Rose-Hulman's FM radio station will come on the air. When this happens, we will bring the entire community right to our doorstep. The power of the transmitter should allow the station to be heard over all of Terre Haute, including ISU. For the first time, Terre Haute will be allowed to come onto the Rose-Hulman campus with the push of a button.

The radio station has, for this reason, a great commitment to Rose-Hulman. What goes out on their antenna has to reflect a Rose-Hulman which has both social consciousness and moral maturity. The people who are in charge of the station must make it imperative that the high standards of Rose-Hulman are maintained over the air-waves.

This burden does not fall on WMHD alone. The job of programming for the radio station (as with many of the jobs already accomplished by the amazing WMHD staff) cannot be undertaken by a small group of individuals. The entire school must make a tangible effort to aid them in developing the programming for the station. How can the station represent Rose-Hulman if Rose-Hulman does not let them know how it wants to be represented? It can't. That is why every student, faculty member, and staff member should make his feelings known about what the station should and should not offer. It is your obligation and I'm sure the radio station will be glad to hear your ideas; they are needed.

Never in the history of Rose-Hulman has anyone had to represent the school minute by minute, hour after hour, day in and day out. It is not an easy task, but it can be done if you help. This radio station could be one of the keys to the "New Rose-Hulman" which is coming in the next several years. It could also set us back many years as far as the community is concerned. This is our "foot in the door" to the outside world, to a school with world views and cosmopolitan attitudes: The New Rose-Hulman. If you help it happen, we can make it work.

The THORN

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Tickets now on sale

by John Marum
Assistant Editor

This year the Student Activities Board presents the Ozark Mountain Daredevils for the annual Homecoming Concert. A "Heart of America" group, the band plays a wide variety of music to suit most everyone's taste. Among their more popular songs are such hits as "Jackie Blue" and "If You Want to Get to Heaven (You've Got to Raise a Little Hell)."

The band will be performing on Saturday, Oct. 17, at 9 p.m. in the Shook Memorial Fieldhouse.

Tickets for the concert will go on sale to all Rose-Hulman students, faculty and staff today, Sept. 25. They will be on sale in the Hulman Union office first through ninth hours, and again on Saturday, the 26th, from 10 a.m. until 2 p.m.

Ticket sales will open to the general public starting Monday, Sept. 28, from 8 a.m. until 7 p.m. In the interest of fairness, no more than ten reserve seat tickets will be sold per person. Prices are \$7.00 for reserve seating and \$6.00 for general admission (bleacher) seats.

FRANKLY SPEAKINGby phil frank



COLLEGE MEDIA SERVICES box 4244 Berkeley, CA. 94704

Page 9 writes rights letters

by Choose N. Lose

Many people at Rose-Hulman find letter writing tedious and boring. The only things worth writing for are money, to parents, and sex, to girlfriend(s). (Chem. E.'s may alter if necessary). Even at that, the letter is trivial and short. We at Page 9 thought it would be nice to create a form letter that could be used over and over for all occasions, just by selecting the appropriate option.

A. Dear, B. Dearest, C. Deery, D. Deerface, A. Sir, B. Mom and Dad, C. Abby, D. Editor, E. Concubine, F. Droppings.

I have to start off by saying: A. sorry it's been so long since I wrote, B. sorry it's been so short since I wrote, C. sorry it's so short, D. goodbye, E. next time you come up for the weekend I promise I'll show you the campus. Since I saw you last: A. I've missed you, B. I've missed your sister, C. I've missed your brother, D. I've run away to be a

Civil/Environmental. Before you read the next paragraph: A. put on your glasses, B. take off your glasses, C. put down the letter opener, D. go to the bathroom, E. have Sis leave the room; and call: A. Mom, B. Brother, C. Sis, D. -ipygian, E. your analyst, F. your lawyer, G. that senator who owes you a favor.

I bet you thought I: A. forgot your birthday, B. forgot you're pregnant, C. knew how to drive, D. stopped spending money, E. was more careful than this, F. got caught for the last time, G. believed in racial purity, H. didn't have V.D. But before you get excited: A. I didn't, B. I did, C. relax and don't wet your pants, D. take a lude, E. remember what Socrates said, F. remember what your doctor said, I'm sure it will A. work itself out, B. make the trip home, C. not become an epidemic, D. get settled in court, E. be a beautiful wedding anyway, F. not hurt so much next time, H. go away like the other sores.

But aside from that I have been: A. very busy, B. bored to death, C. receiving treatment, D. writing for The Thorn (see also "B"), F. wearing women's clothes, G. filling the gap you left in my life, H. out of my room twice. All of my classes are: A. too long, B. too short, C. as interesting as reruns of "Gilligan's Island," D. similar to long naps, F. non-existent, I'm a Chem.E., not to mention that my professors are: A. all gay (get 'em Tommy), B. all bald, C. not around enough, D. around to much, E. all around, F. funny, but looks aren't everything. Their grading system is: A. very lenient, B. very rigid, C. a mystery to me, D. just like that took Dad uses to enlarge holes, E. not fair to us Civils.

I think my grades will: A. be

good for midterms, B. be good for finals, C. be good for nothing, D. be better when hell freezes over, E. go down when I start going to class, F. be an anagram of daff.

By the way, I just got a new roommate. He: A. is a real nice guy, B. smells like a barn, C. looks like a barn, D. has killed seven people in the past year, E. wears women's clothes, F. can't find himself but keeps looking.

You'll have to come up sometime and: A. take a trip over to the apartments, B. try to guess what they're serving at A.R.A.T., C. bring my copy of the Kama Sutra, D. bring those plants growing in my closet, E. not embarrass me in front of my friends. While you're here you can see a Rose football game. The football team: A. will play a good game, B. will play a game, C. might find the field, D. is half the freshman class, E. will lose to Saint Mary-of-the-Woods, F. beat up the editors of The Thorn.

Well, I have to go now.: A. my pot pie is burning, B. the police are knocking at the door, C. Girl Scouts just came in and I want their cookies, D. it's almost dinner and I'm not drunk yet, F. it's after dinner and I'm not well yet.

Well, I hope you: A. write soon, B. don't write soon, C. send a check, D. have a good holiday, E. don't make a fool of yourself again, F. get rid of those embarrassing stains, G. don't let your parents read this, G. find a good clinic, I. find the father, J. know you're not going out with a heterosexual.

A. Love, B. Sincerely yours, C. Scarcely yours, D. Up yours, E. Unfortunately yours, F. Love yours, Promiscuously yours,

A. Name, B. Name withheld, C. Your pastor's name, D. Roommate's name, E. "X".

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Dean discusses faculty hirings

by Jim Weber
Staff Reporter

Despite a national shortage of engineering professors which may run as high as 15 percent, Rose-Hulman has hired 12 new faculty members and finds itself with all positions filled for the 1981-82 school year. Of these 12, all have or will soon have their doctorate degrees, and five of them will assume duties in the engineering departments.

James Eifert, vice president for academic

affairs and dean of the faculty, announced the hirings and emphasized their very positive aspects. In a time when many schools are having great difficulties hiring and keeping engineering faculty, Rose has found itself graced with the ability to recruit very competitively and fill all open positions with qualified personnel — many of whom are senior-level people.

Eifert stressed that this speaks well of what Rose-

Hulman has to offer as an engineering institution.

The 12 new faculty replace the nine professors and instructors who left at the end of last year to pursue their educations or to accept jobs in industry and academics. This represents the largest influx in new professors since the early 1970s when the student population expanded from approximately 700 to today's levels of about 1200.

Rose graduate returns to teach

by Mike Rugg
Staff Reporter

Jeffrey Froyd, a 1974 graduate of Rose-Hulman, has returned this year to join the electrical engineering

faculty.

Froyd earned his M.S. and Ph.D. in electrical engineering at the University of Minnesota, specializing in feedback controls. His

undergraduate degree is in mathematics.

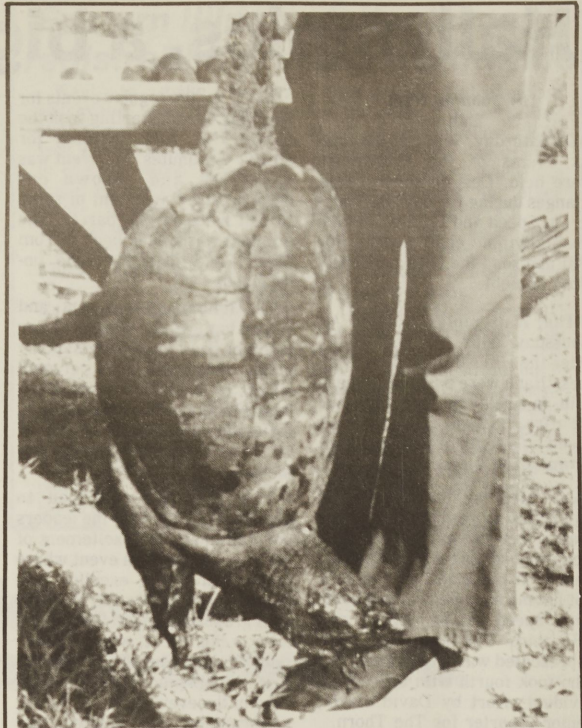
While at Minnesota, Froyd taught undergraduate engineering courses. He lists Rose-Hulman's emphasis on teaching as a prime reason for his coming here.

As in the case with most Rose profs, he enjoys the interaction with people that goes with teaching.

His classes this quarter, Circuits and Feedback Controls, are similar to those he taught at Minnesota although the sections are much smaller here. Although he's "swamped at the moment," Froyd hopes to become involved in several campus organizations, including Rose Christian Fellowship.

This summer he worked at Applied Computing Devices in Terre Haute. He consults there one day a week during the school term.

Professor Froyd lives in town with his wife and 17-month-old son.

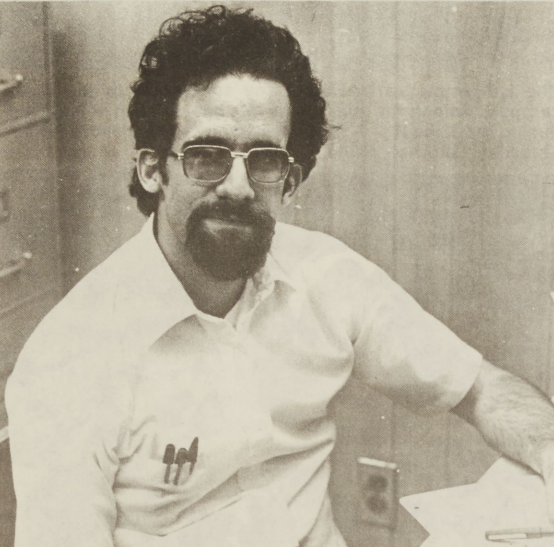


"Killer turtle" captured

The recent increases in theft and vandalism were overshadowed by the epitome of crime: cruel, senseless murder had been perpetrated on our fine campus. An eyewitness to this heinous crime was Dean of Student Affairs, Jess Lucas. A man of unquestionable integrity, Lucas recalls how the monster turtle rose from its lair beneath the scum of the dreaded "duck pond" (also home of 17 different types of typhoid and the final resting place of freshmen too obnoxious to carry all the way to the real lake) to ruthlessly

grab a helpless duck and drag it below the slime.

A group of vigilantes assembled in early August to seek revenge. The hero of this epic turned out to be James Bagley, son of school print shop operator Jack Bagley. The beast was snared with a baited hook and fought to the shoreline. There, the killer turtle dug in, refusing to budge until James stepped out into the muck of the shore, seized him by the tail, and dragged him, helpless, onto dry land. The turtle was nearly three feet long extended and weighed nearly 30 pounds.



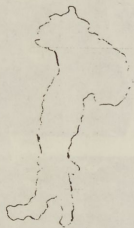
NSA rep to visit Rose Tuesday

Walter McHenry, a member of the Crypto-Mathematics Program at the National Security Agency, Fort Meade, MD, will be on campus Tuesday, Sept. 29, to meet informally with students and staff. He will discuss the unique and challenging opportunities at NSA. This is not an interview. No suits are necessary. (The

NSA recruiter will be on campus on October 5.) McHenry will meet with small groups and individuals between 1 and 5 p.m. Call Professor Brian Winkel, Division of Mathematics, ext. 412 or 391, and indicate your interest and times available. A schedule of visits will be posted Tuesday morning.

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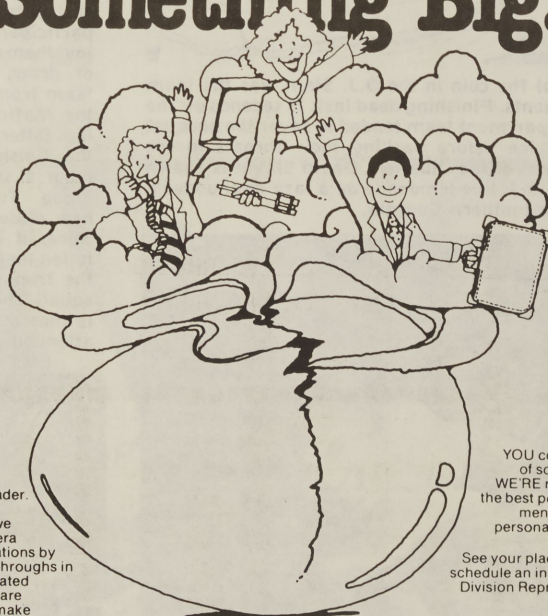
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Hallympics, a big splash

by John McHugh
Editor

On Saturday, Sept. 19, the final six events of the Hallympics were held. Despite several lead changes during the day, BSB edged out Speed and Deming to take the Hallympic championship for 1981 and send the RHA perilously close to debt.

The Hallympics started on Thursday with the O.J. Slam, after the Hill Climb and the Mattress Race were postponed due to rain. In a relay that went down to the wire, BSB out O.J. slammed Speed by a tenth of a second with a time of 61.2 seconds.

On Saturday, the postponed Hill Climb started the day. Many teams lost ground by not participating in this event. Deming took first place in this event by not having a single dropped book, with Speed taking second and BSB third. The only other team represented was the Apartments, who took fourth with a great individual effort by David Slavin, senior reporter for The Thorn.

In the next event, the Mattress Race, Deming snatched defeat from the jaws of victory when their team crumbled under the weight of the mattress 20 feet from the finish line. The Speed team then blew by them, followed quickly by the Apartments and BSB.

At 1 p.m. the regular events for Saturday began, starting with the Barrel Fill. After battling for almost 45 minutes, the event was cancelled and thrown out because of an oversight of some 10 odd holes in one barrel. The problem was traced back to Tom Miller, and then everyone understood.

The Jello Snarf was next, and helped to move the leaders closer together. Deming took first place in the event with good personal efforts by Neil Brown and Mark "Jaws" Howard. Deming was followed closely by several vacuums from Scharpenberg and Mees.

The Tube Race served to deadlock (Oh Loads!) the leaders and culminate the excitement of the day. This was an event where many individuals excelled and turned the Hallympics around. BSB grabbed the lead for the last time in this event, while the present leader, Speed, could only capture fifth place. Mees took second in the event with a powerful performance and vaulted into fourth overall. After the Tube Race, BSB led, and Speed and Deming were tied for second, two points off the leader.

It all came down to the Frisbee Relay, with BSB and Speed leading off. The course looked like a joke for BSB, who turned in an event-winning 2:36 time which

was never challenged. Speed took second and Sharp third, but BSB never looked back as they left Deming and Speed in the dirt.

The final point totals looked like this:

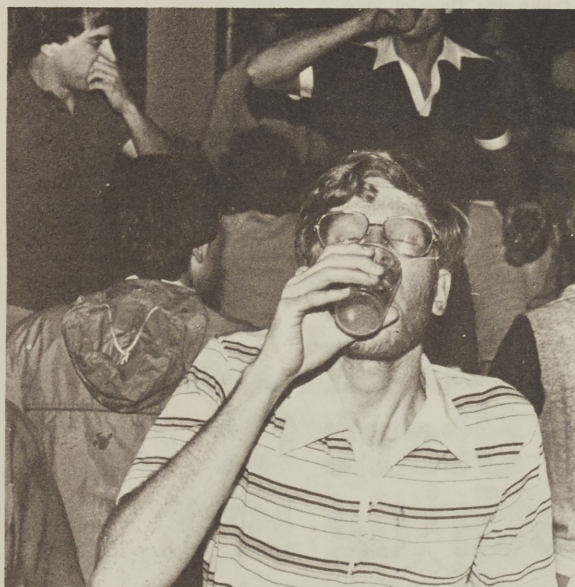
Team	Points	1st Places
BSB	45	3
Speed	41	1
Deming	37	2
Mees	24	0
Scharpenberg	22	0
Apartments	19	0
Blumberg	10	0

All of the teams performed admirably but special honors should go to the Apartment team, who performed with only a few stalwart men due to sheer lack of numbers and a prodigious amount of deadbeats living there.

Thanks should also go to Tom Schulz and the entire Residence Hall staff for arranging the events and officiating them. Mention must also be made of the RHA who graciously will award the winning team money to buy hall shirts. This explains why RHA members could be seen rooting for the Apartments all day long.



The Hallympics attracted many spectators to the Rose campus. Among the guests was this beauty seen at lakeside during the Tube Race. She is testimony to the good weather Saturday. Shuman photo.



The other side of the coin in the O.J. Slam was the team from the Apartments. Finishing dead last, 15 seconds off the next team, the Apartment team tended to savor the bouquet of the orange juice before basking their throats in the resplendent charm of the libation. David Slavin is shown here nursing his O.J. like lemonade on a lazy day, under a big shade tree in southern Georgia.



SHARK ATTACK!!! Not quite, but Bill LaFontain, Sophomore advisor, probably wishes a shark would come and tow him ashore. Bill swam in one leg of the Inner Tube Race for the BSB team. After Bill evaded this shark and several "Killer Turtles" he succeeded in helping BSB take first in this event. This win almost locked the Hallympics up for BSB, who went on to win the coveted trophy and hall shirts.



The first event held in this year's Hallympics was the O.J. Slam. The Slam, an orange juice relay race, was won by the team from BSB shown here. Dan Robinson, far left, tries his best to time this high speed team. His success at this endeavor turned out to be questionable.

The Hallympics turned out to be a big success in terms of just plain fun. Most of the halls got very good involvement by their residents, and all of the participants seemed to enjoy themselves; win lose, or draw. At right is the team from Deming during the Mattress Race. Deming faltered 20 feet from the finish line and went from a sure first to fifth place. To illustrate just how close the Hallympics were, if Deming had not fallen they would have won the trophy, all else being equal. The important note is that all the people who attended were the winners.



The victorious team wallows in their glory at the end of the day Saturday. The team from BSB won the Hallympics by edging out Speed Hall and Deming Hall. Steve Shuman holds the Hallympic trophy and dreams of winning the trophy next year (he needs the shirts). Steve Shuman photo.

C.S. dept. obtains prof.

by Don Dodson
Managing Editor

The newest addition to the computer science faculty is Cary Laxer, assistant professor of computer science and electrical engineering.

Laxer, a native of New York City, earned a B.S. in computer science and mathematics from New York University in 1976.

After graduation, he moved to Durham, N.C., where he earned a Ph.D. in biomedical engineering from Duke University in 1980. While at Duke, he took a special interest in computer analysis and did work in myocardial infarction geometry, that is, analysis of the heart muscle during and after a heart attack.

When he came to Terre Haute

this summer, it was only the second time he had been in Indiana. The first time, Laxer said, occurred on a visit to Cincinnati when he drove across the border just so he could say he had been in the Hoosier state.

How does Terre Haute differ from the Big Apple? Laxer maintains that the people here have been friendlier than those in New York.

"And the pace isn't rushed," he added. "Here the rush hour only lasts five minutes."

Laxer, who teaches two computer courses, prefers a relaxed atmosphere in the classroom. "I would rather talk to students more as friend-to-friend than the usual teacher-student relationship," he said.

A member of the Biomedical Engineering Commission, Laxer said he would like to be in on the ground floor should an undergraduate program in biomedical engineering be launched.

Laxer's hobbies include reading, swimming, and stamp collecting. He belongs to several professional societies, including the Association for Computing Machinery, the Biomedical Engineering Society, the Computer Society (IEEE), and the Engineering in Medicine and Biology Society (IEEE).

The addition of Laxer to the computer science faculty at Rose will enhance the capabilities of the CS program.

Eastern Illinois students make registration process worthwhile

Want to make money, aggravate Lou Harmening, and impress Tom Mason with your entrepreneurial prowess in one fell swoop? If so, you might take a tip from a few astute students at Eastern Illinois University.

According to an article which appeared in *The Chronicle of Higher Education*, business students at the Charleston, Ill., university discovered that the registration process provided a chance to turn a buck. With a shortage of certain business classes and a surplus of students wanting to take those courses, it seemed inevitable that the market would resolve the problem.

Students who had signed up for the courses began selling their places in class. EIU administrators said the highest confirmed price was \$30 per opening, but other reports ran as high as \$70.

In at least one case, students resorted to the barter system: a case of beer for a place in class.

Claiming that the practice was not widespread, the school administration took the innovation in stride, but it changed the rules of the game for next semester. Drop-and-add procedures for spring registration have been revised so that the benefits of signing up for classes will be purely "academic."

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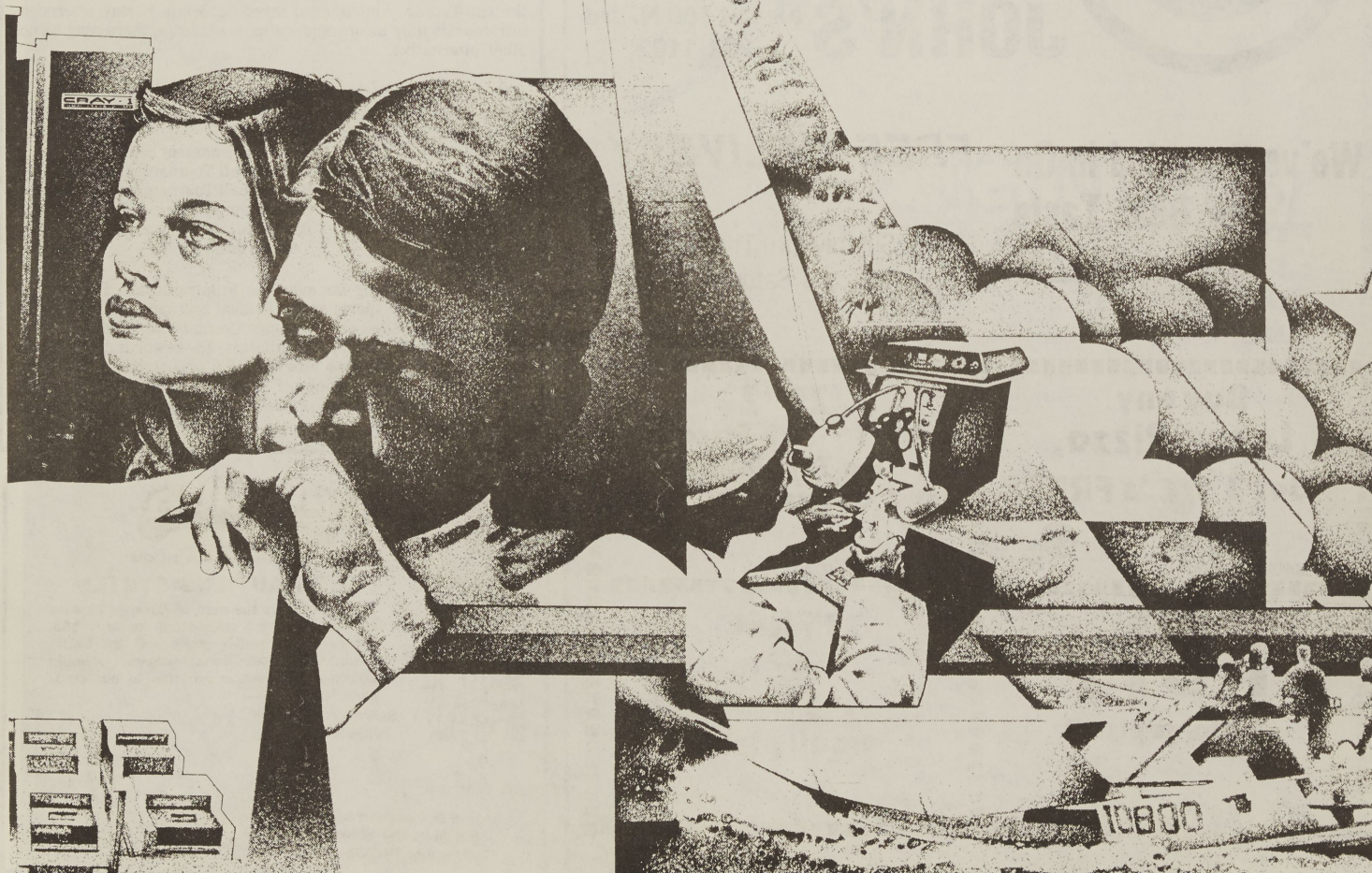
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Soccer team slips

by Rob Schmidlin
Sports Reporter

The Rose-Hulman soccer team was defeated by MacMurray College by a score of 9-0 last Sunday.

MacMurray got all the scoring it needed in the first half at 7:40 when a penalty shot was converted. An insurance goal came seconds later on an 18-yard bicycle kick from 18 yards out.

Rose's defense was no match for the nationally-ranked NCAA Division II school. Getting good shots from 10-12 yards out, the kickers from MacMurray scored five more goals in the initial period to take a 7-0 advantage at the half.

The Engineers made a defensive switch in the second half and held MacMurray to just two goals, which came 90 seconds apart late in the game.

Despite the shaky start, the Engineer kickers are optimistic about the season. Thirty-one players reported to coach Jim Rendel in the first two weeks of practice. The team, nearly half of which are incoming freshmen, will be looking to improve upon last year's record of 3-15.

"We have a pretty good group of freshmen, skill-wise," said Rendel of the team, which competes in the super-tough Illinois-Indiana Collegiate Soccer Conference (IICSC) as

well as the College Athletic Conference (CAC). "The success of our team depends largely on how well the freshmen react to the collegiate competition," added Rendel.

Veterans returning for the 1981 season include: junior Dave Watson, last year's high scorer, and the "senior nucleus" comprised of Eric Mooney, Daniel Wentz, and Steve Thompson. These seniors have also been selected as tri-captains of the team, which is in only its fourth year of intercollegiate competition.

The tough halfback tandem of sophomores George West and Jamie Huller will return this year to give the Engineers power in that position. Missed however, will be halfback Brad Kowalski and goalie George Colby, who did not return to Rose-Hulman this fall.

The conference races should be tough for the Engineer kickers who finished fourth in the CAC and eighth of eight teams in the IICSC in 1980. The CAC will remain tough as conference champ Sewanee will return this season with a strong team as well as Principia who finished third in the IICSC.

Rose plays a 1 p.m. game at Greenville Saturday and then returns home for a 3 p.m. contest Monday against St. Meinrad.

Thorn Sports

Engineers lose to Wabash

by Kim Borgman
Staff Reporter

Rose-Hulman opened its 1981 football season Saturday against a tough Wabash team that had only lost two games in three years. True to form, Wabash bettered its record to 2-0 with a 28-0 victory over the Engineers.

Wabash was led by its senior running back Darrell Johnson who rushed 165 yards in 27 carries for three touchdowns. Included in the rushing total was 67 yards in a third-quarter drive that put Wabash up 14-0 and in control of the game.

The Rose defense, with 10 starting seniors, opened the game with hard-nosed play as it held Wabash without a first down and only 27 total yards. However, the offense could do no better, as it failed to get past the Wabash 40-yard line. Wabash then put together a 48-yard scoring drive with 1:39 left in the first quarter.

Rose managed one drive before halftime, but it was stopped by a Little Giant interception.

The first half was dominated by both defenses and Rose was in good position to pull off an upset. Unfortunately for the Engineers, Wabash came out and scored on its first possession of the second half and took control of the game.

The Little Giants continued to dominate the Engineers on defense and, following an exchange of turnovers, scored once more to seal the game.

The Engineers replaced

quarterback Mike Trench with Steve Weddle, with hopes of getting a drive going. Weddle got one drive to midfield but it was stopped by a penalty. Weddle fumbled on the next possession and the Wabash reserves finished up the scoring with 30 seconds left in the game.

The defeat was a tough opening game for the Engineers. They return home next week to

take on the Hanover Panthers at 1:30 p.m. on Phil Brown Field. Hanover was 8-2 last year and beat Rose 20-13 on the Panther Field. Hanover lost only two starters from offense and three from defense so the Panthers should give Rose a good game. Defense should dominate the contest with Hanover throwing the ball more than most teams.

X-country makes tracks

by Bill Browning
Sports Reporter

The Rose-Hulman cross-country team produced its best team effort of the season last Tuesday (Sept. 15) by beating rival Wabash College, 20-37.

The Engineers avenged last year's loss to the Little Giants by placing 13 runners in the top twenty. Mike O'Brien continued to run well this year as he placed first, followed closely by John Smith.

Greg Gibson took fourth place in the meet and John Whitaker and Dave Womble came in sixth and seventh, respectively.

On Saturday, however, the squad seemed to let down a bit by placing fifth out of thirteen at the TFA/USA Southern Illinois cross-country championships.

Coach Jim Hargis felt that the Engineers should have taken Evansville's third place spot, as they had already beaten UE at the Hokum-Karem meet earlier in the season.

O'Brien again led the team with a sixth place finish. Dave Womble clocked a 27:25 performance for the five-mile course, a time which placed him on the all-time top 15 list of Rose harriers.

Indiana State University at Evansville won the meet with 49 points while conference rival Principia placed second with 78.

The Engineers will run again tomorrow when they face DePauw and Earlham in a triangular meet scheduled to begin at 11 a.m.



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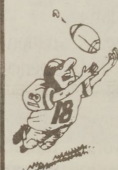
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IM Sports Round-Up

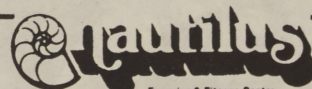
by Dale Arand

Intramural sports have always been taken very seriously at Rose-Hulman. The past few years have seen a steady increase in teams and participants. This year the trend is sure to continue, if the interest in IM football is any indication. With only two fields available for IM football, the number of teams this year may necessitate adding Friday afternoon to the regular Monday-through-Thursday intramural schedule. While Friday afternoon intramurals may inconvenience some students, there may be no other alternative.

With IM football kicking off the 1981-82 intramural season, there are several important dates to keep in mind this quarter. These dates are as follows:

Monday, Sept. 28	Tennis Tournament begins
Monday, Oct. 26	Racquetball Tournament sign-up
Monday, Nov. 2	Racquetball Tournament begins
Tuesday, Nov. 3	Cross-Country Meet
Friday, Nov. 13	Basketball, Bowling and Volleyball teams due

There is something for everyone in intramurals. Rose offers the various team sports and individual tournaments throughout the year. So, whether you are superstar material or bound for the meat squad, take time for intramurals. The rewards make it well worth the time. Besides providing the opportunity of meeting more students and blowing off some steam, intramural sports are just one more excuse to close the books and set down the pencil.



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College Football Preview

by Don Corson
Sports Editor

Michigan coach Bo Schembechler could never have had a better recipe for an upset. All of the ingredients were available when the Fighting Irish of Notre Dame invaded Ann Arbor, Michigan, last Saturday.

Notre Dame had moved into the top spot in the polls only after a rash of first-week upsets. The Michigan contest would be only the second career collegiate game for Irish coach Gerry Faust, while Schembechler would be directing his 200th.

Talent-wise, the two teams were pretty well matched, but the capacity crowd of over 100,000 Wolverine fanatics, still steaming from Michigan's 21-14 opening game loss to Wisconsin, wasn't about to let the Wolves lose again. And they didn't. They may not lose again this season.

Schembechler won't be caught with an ill-prepared team (a la the Wisconsin game) again. I see an easy victory over Navy for the Wolverines tomorrow.

Notre Dame, on the other hand, travels to West Lafayette, Ind., to battle the

Purdue Boilermakers. The Boilers are also coming off a tough loss, 16-13, to Minnesota.

Barring a case of turnoveritis, the Irish, behind alternating quarterbacks Tim Koegel and Blair Kiel, and All-America linebacker Bob Crabe, should win handily.

The most important game tomorrow, in terms of national championship potential, will be played when the Sooners of Oklahoma meet the University of Southern California Trojans out on the coast.

Southern Cal has the top Heisman Trophy candidate in running back Marcus Allen.

Golf team shapes up

The Rose-Hulman golf team, buttressed by a strong freshman contingent, will travel to Crawfordsville Saturday to take part in the 18-hole Wabash Invitational. The Invitational will be the only tournament for the Engineers until next spring.

Coach Glen Baca said the tournament may help determine which eight of the twelve current players will be retained when cuts are made for the spring squad. Two positions on the team will be left open until Spring.

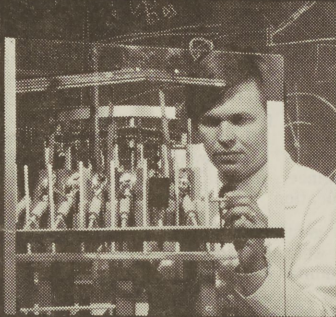
Returning for the Engineers are senior Chorba, juniors Terry LaGrange and Chris Romanczuk, and sophomores Rob Haynes and Eric Lucas. The team will be minus the services

of 1981 graduates Ron Knecht and Gary Shake.

Chorba, LaGrange and Haynes, along with three freshman, are likely to be tapped as participants in the Wabash Invitational. The tournament is limited to six-man teams.

Eligible for the freshman slots are Mark Adams, Ron Garber, Keith Heflin, Mike Knecht, Dave Roth, Steve Sauer, and Grant Walmouth.

Highlight of the spring season will be a trip over quarter break to Jacksonville, Fla., where the squad will participate in a tournament. Tod Hand, a former Rose golf team member and Most Valuable Player in 1979, has made all arrangements for the team's stay in Florida.



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ME dept. boasts new faculty

Leland K. Shirely

by Dave Franke
Staff Reporter

Leland K. Shirely is one of our recent additions to the Rose-Hulman faculty. Shirely earned his Bachelor's and Master's Degrees from Purdue University and his Ph.D. in applied sciences from Brown University in 1964.

Immediately after earning his Ph.D., he taught as an assistant professor in the Department of Theoretical and Applied Mechanics at the University of Illinois. In 1970, he became an associate professor in Michigan Technological University's mechanical engineering/engineering mechanics department. At the time he left MTU, he also held the title of associate dean of graduate studies.

Shirely enjoys teaching Fluid Mechanics, Thermodynamics, and Dynamics. He hopes his presence here will be a strengthening factor in the area for Rose-Hulman.

Shirely hails from nearby Marshall, Ill., which was a factor in his decision to teach at Rose-Hulman. The major factor in his move was the reputation of Rose-Hulman and his desire to teach here. He has very strong expectations of his students and expects no problems teaching them.

Shirely's wife is a registered nurse. The Shirelys have two daughters, both in college.

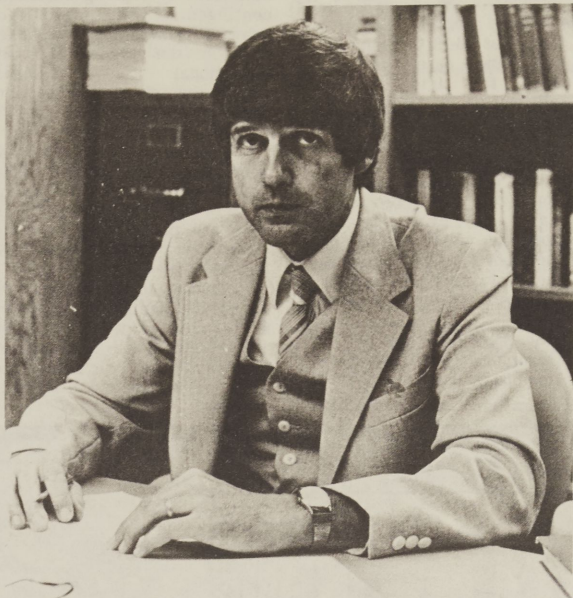
Charles O. Smith

by Jim Weber
Staff Reporter

"Teaching consists of causing people to go into situations from which they can't escape except by thinking." Thus reads the plaque hanging in the office of Charles O. Smith.

As a recent addition to the Division of Civil and Mechanical Engineering, Smith brings more to his office than just a philosophy. He also brings over 40 years of experience as a practicing engineer and as an honored educator.

Smith graduated from Worcester Polytechnic Institute in 1941 and assumed duties as an instructor there. After serving in the U.S. Navy, he attended M.I.T., from which he received his Master's Degree in 1947. Smith remained at M.I.T. as an assistant professor and, in 1951,



Photos by Steve Shuman

received his doctorate in metallurgy.

The 1950s found Smith engaged by such familiar names as Alcoa, DuPont and the Oak Ridge National Laboratory. Smith remained at Oak Ridge for ten years as a lecturer on reactor materials. In 1965, he assumed duties as the chairman of mechanical engineering at the University of Detroit. In 1976, he assumed the post of general chairman of engineering at the University of Nebraska, where he remained until coming to Rose.

For his excellence in the teaching of engineering design, Smith was awarded the highly esteemed Fred Merryfield Design Award for 1981. It is one highlight in a list of accomplishments which includes writing the material science textbook that is currently in use at Rose.

When asked his reasons for coming to Rose, Smith explained that he found several things here to his liking. The small college atmosphere is very much similar to that of his alma mater (Worcester Polytechnic) and, hopefully, provides the student and faculty interactions which are stifled at a larger school.

Also, Rose places emphasis on teaching, which provides him a little freedom from the large school bureaucracy and allows him the freedom to practice his philosophy of education.

"The objective of education," said Smith, "is to develop the student's capabilities as a problem solver. Much of what is taught... will be obsolete in five years. But if a person can analyze a situation, then, despite his knowledge, he can always be a good engineer. This is the essence of education."

Truly a gentleman, C.O. Smith is a welcome addition to the Rose-Hulman Community.



S.A.B. holds first coffeehouse

by Craig Warmer
Staff Reporter

Newsweek magazine describes him as one of the most frequently recommended acts on the Coffeehouse Circuit, but despite this fact, he had agreed to return to Rose-Hulman.

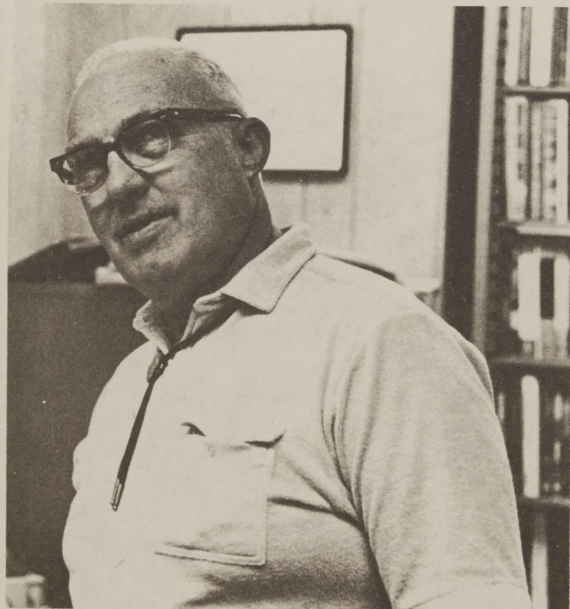
Tomorrow night, comedy singer/songwriter Dave Rudolf will display his unique talents at 8 p.m. in the WORX.

Dave Rudolf has been accurately described as being an original. Whereas most solo artists are armed only with voice and guitar, Rudolf adds another weapon to his arsenal — his brilliantly improvisational sense of humor. Rather than let the audience in on what he is doing, Rudolf makes them a part of it. People standing in the doorway should be prepared to contend with a barrage of such comments as, "You're waiting

to see if I'm good enough before you commit yourselves to sitting down."

Rounding out his show with a wide variety of music, some of Dave Rudolf's songs include "The Interest Song" about the consequences of being in debt, the ever-popular "Masochism Tango," finding the number of your true love above a urinal in "The Number Blues," and the story of an unwanted child in "Go Play in Traffic." Dave Rudolf tries to write songs around experiences to which everyone can relate, and use them to create an atmosphere where everybody is having a good time.

In addition to sponsoring this first Coffeehouse of the Fall Quarter, the Student Activities Board will also be giving away free Cokes to the first 100 people who attend.



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